

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions or listings of claims for this application.

Listing of Claims:

1. (Currently amended) A method of recovering from a corrupt computer system BIOS comprising the steps of:

during one boot cycle,

~~upon startup,~~ determining whether a BIOS of a computer system is corrupt;

continuing with a normal boot if said BIOS is not corrupt;

if said BIOS is corrupt:

initializing components in a boot block of said computer system sufficient to establish a communications connection with a recovery server;

locating said recovery server;

communicating to said recovery server by sending system information to said recovery server in a ~~single~~-request for an uncorrupted BIOS;

in response to said ~~single communication~~-request to said recovery server, downloading an uncorrupted version of said BIOS from said recovery server based on said system information; and

programming said uncorrupted BIOS onto said computer system's BIOS storage area; and

~~rebooting said computer system.~~

2. (Original) A method as in claim 1, wherein one of said components is a network card.

3. (Previously presented) A method as in claim 2, wherein said computer system communicates to said recovery server over a local area network.

4. (Previously presented) A method as in claim 2, wherein said computer system communicates to said recovery server over a wide area network.

5. (Previously presented) A method as in claim 2, wherein said computer system communicates to said recovery server over the internet.

6. (Original) A method as in claim 1, wherein one of said components is a modem.

7. (Previously presented) A method as in claim 6, wherein said computer system communicates to said recovery server over a direct dial connection.

8. (Previously presented) A method as in claim 6, wherein said computer system communicates to said recovery server through an internet service provider.

9. (Previously presented) A method as in claim 6, wherein said computer system communicates to said recovery server over the internet.

10. (Currently amended) A method of recovering from a corrupt computer system BIOS comprising the steps of:

during one boot cycle,

determining whether a computer system BIOS is corrupt;

if said BIOS is corrupt:

receiving at a server a ~~single communication~~ request for an uncorrupted version of a said BIOS transmitted by a computer system with a corrupted version of said BIOS detected during startup; and

in response to said ~~single communication~~ request, transmitting an uncorrupted version of said BIOS to said computer system.

11. (Previously presented) A method as in claim 10, wherein said server and said computer system communicate over a local area network.

12. (Previously presented) A method as in claim 10, wherein said server and said computer system communicate over a wide area network.

13. (Previously presented) A method as in claim 10, wherein said server and said computer system communicate over the internet.

14. (Previously presented) A method as in claim 10, wherein said server and said computer system communicate through said computer system's modem.

15. (Currently amended) A method for recovering from a corrupt BIOS comprising the steps of:

during one boot cycle,

~~upon startup of a computer system,~~ checking whether a BIOS of said computer system is corrupt;

continuing with a normal boot if said BIOS is not corrupt;

if said BIOS is corrupt:

initializing components in a boot block of said computer system sufficient to establish a communications connection with a recovery server;

locating a recovery server;

communicating to said recovery server by sending system information to said recovery server in a ~~single~~ request for an uncorrupted BIOS;

in response to said ~~single communication~~ request to said recovery server, transmitting an uncorrupted version of said BIOS and a utility software from said recovery server to said computer system;

receiving said uncorrupted version of said BIOS and said utility software at said computer system; and

executing said utility software to program said uncorrupted version of said BIOS onto a BIOS storage area of said computer system; ~~and~~

~~rebooting said computer system.~~

16. (Original) A method as in claim 15, wherein one of said components is a network card.

17. (Previously presented) A method as in claim 16, wherein said server and said computer system communicate over a local area network.

18. (Previously presented) A method as in claim 16, wherein said server and said computer system communicate over a wide area network.

19. (Previously presented) A method as in claim 16, wherein said server and said computer system communicate over the internet.

20. (Original) A method as in claim 15, wherein one of said components is a modem.

21. (Previously presented) A method as in claim 20, wherein said server and said computer system communicate over a direct dial connection.

22. (Previously presented) A method as in claim 20, wherein said server and said computer system communicate over an internet service provider.

23. (Previously presented) A method as in claim 20, wherein said server and said computer system communicate over the internet.

24. (Currently amended) A system for recovering from a corrupted computer system BIOS comprising:

a computer system, said computer system comprising:

a processor;

a BIOS recovery program;

a BIOS storage area containing said BIOS;

a RAM;

a first communications system; and

a chipset to control the flow of data between the processor, a motherboard bus and the RAM; and

a recovery server, said recovery server comprising:

a processor;

a storage medium;

and a second communications system;

wherein said processor of said computer system, in response to detecting a corrupt version of said BIOS detected during startup and during the same boot cycle in which the corrupt version of said BIOS was detected, executes said BIOS recovery program to:

initialize in a boot block of said computer system, said chipset, RAM, and first communications system;

locate said recovery server;

communicate to said recovery server through said first and second communications systems by sending system information to said recovery server in a ~~single~~ request for an uncorrupted BIOS;

in response to said ~~single communication~~ request with said recovery server, download from said recovery server an uncorrupted version of said BIOS based on said system information;

store said uncorrupted version of said BIOS into said BIOS storage area; and

reboot said computer system.

25. (Original) A system as in claim 24, wherein said first and second communications system are network cards.

26. (Previously presented) A system as in claim 25, wherein said computer system and said recovery server are adapted to communicate over a local area network.

27. (Previously presented) A system as in claim 25, wherein said computer system and said recovery server are adapted to communicate over a wide area network.

28. (Previously presented) A system as in claim 25, wherein said computer system and said recovery server are adapted to communicate over the internet.

29. (Original) A system as in claim 24, wherein said first and second communications systems are modems.

30. (Previously presented) A system as in claim 29, wherein said computer system and said recovery server are adapted to communicate through an internet service provider.

31. (Previously presented) A system as in claim 29, wherein said computer system and said recovery server are adapted to communicate over the internet.

32. (Currently amended) A system for recovering from a corrupted computer system BIOS comprising:

a computer system, said computer system comprising:

a processor,

a bus;

a BIOS recovery program,

a BIOS storage area containing said BIOS,

a RAM, and

a first communications system and a chipset to control the flow of data between the processor, the bus and the RAM;

wherein said computer system's processor, in response to detecting a corrupt version of said BIOS during startup and during the same boot cycle during which the corrupt version of said BIOS was detected, ~~said processor adapted to executes~~ said BIOS recovery program to:

initialize in a boot block of said a chipset of said computer system, said RAM, and said first communications system;

locate a recovery server;

communicate to said recovery server through said first communications system by sending system information to said recovery server in a ~~single~~ request for an uncorrupted BIOS;

in response to said ~~single communication~~ request to said recovery server,
download from said recovery server an uncorrupted version of said BIOS based on said
system information;

store said uncorrupted BIOS into said BIOS storage area; and

reboot said computer system.

33. (Original) A system as in claim 32, wherein said first communications
system is a network card.

34. (Previously presented) A system as in claim 33, wherein said computer
system and said recovery server are adapted to communicate over a local area network.

35. (Previously presented) A system as in claim 33, wherein said computer
system and said recovery server are adapted to communicate over a wide area network.

36. (Previously presented) A system as in claim 33, wherein said computer
system and said recovery server are adapted to communicate over the internet.

37. (Original) A system as in claim 32, wherein said first communications
system is a modem.

38. (Previously presented) A system as in claim 37, wherein said computer
system and said recovery server are adapted to communicate over an internet service
provider.

39. (Previously presented) A system as in claim 37, wherein said computer
system and said recovery server are adapted to communicate over the internet.

40. (Currently amended) A system for recovering from a corrupted computer system BIOS comprising:

a recovery server, said recovery server comprising:

a processor;

a memory containing an uncorrupted version of a BIOS in a boot block for a computer system; and

a first communications system;

wherein said recovery server, in response to receiving a ~~single communication request~~ transmitted by said computer system during the same boot cycle in which ~~with~~ a corrupted version of said BIOS is detected ~~during startup~~, is configured to

transmit said uncorrupted version of said BIOS to said computer system.

41. (Original) A system as in claim 40, wherein said first communications system is a network card.

42. (Previously presented) A system as in claim 41, wherein said recovery server and said computer system are adapted to communicate over a local area network.

43. (Previously presented) A system as in claim 41, wherein said recovery server and said computer system are adapted to communicate over a wide area network.

44. (Previously presented) A system as in claim 41, wherein said recovery server and said computer system are adapted to communicate over the internet.

45. (Original) A system as in claim 40, wherein said first communications system is a modem.

46. (Previously presented) A system as in claim 45, wherein said recovery server and said computer system are adapted to communicate through an internet service provider.

47. (Previously presented) A system as in claim 45, wherein said recovery server and said computer system are adapted to communicate over the internet.

48. (Currently amended) A system for recovering from a corrupted computer system BIOS comprising:

a computer system, said computer system comprising a BIOS and components sufficient in a boot block to enable recovery of an uncorrupted BIOS from a remote server;

wherein said computer system, in response to detecting a corrupt version of said BIOS during startup and during the same boot cycle in which the corrupt version of said BIOS was detected, is configured to operate said components to:

communicate to a remote server by sending system information to said remote server in a ~~single~~ request for an uncorrupted BIOS,

as a result of said ~~single communication~~ request with said remote server, receive an uncorrupted version of said BIOS from said remote server, and

store said uncorrupted version of said BIOS, ~~and~~

~~reboot said computer system.~~

49. (Currently amended) A method as in claim 1, further comprising the steps of:

if said recovery server is not located;

communicating with a conventional recovery source;

downloading an uncorrupted version of said BIOS from said conventional recovery source; and

programming said uncorrupted BIOS onto said computer system's BIOS storage area; ~~and~~

~~rebooting said computer system.~~

50. (Previously presented) A method as in claim 49, wherein said conventional recovery source is a removable disk.

51. (Currently amended) A method as in claim 15, further comprising the steps of:

if said recovery server is not located;

communicating with a conventional recovery source;

downloading an uncorrupted version of said BIOS from said conventional recovery source; and

programming said uncorrupted BIOS onto said computer system's BIOS
storage area;~~and~~

~~rebooting said computer system.~~

52. (Previously presented) A method as in claim 51, wherein said
conventional recovery source is a removable disk.